

## MAXILINE™ MBF HE Multi-Bag Filter Housing



*Rugged design offers many options to meet demanding specifications*

Eaton's MAXILINE MBF HE multi-bag filter housing is user-friendly, cost-effective and designed for high volume, multiple applications and processes.

This multi-bag filter housing is equipped with proven and easy-to-use rugged eye-bolt cover closure. The housing volume is optimized to minimize product loss. Units are available in 3, 4, 6 and 8 filter bag configurations and come standard with filter bag size O2 stainless steel restrainer baskets.

### Features

- Low profile design with side inlet and tangential outlet provides easy and full drainage and reduces housing height to make filter bag change-outs easier. No need for ladders, stools or catwalks

- Positive O-ring sealing provides bypass-free, safe filtration while the unique 3-point hold down ensures a high-quality seal between each filter bag and the housing body
- A counter-balanced, spring-assisted cover lifting mechanism allows for quick and easy opening of even large covers by one person
- Heavy-duty stainless steel mounting legs are included
- Designed in accordance with Section VIII, Division 1 of the ASME Code (standard in the US), "AD 2000-Merkblätter", EN 13445 and PED (standard in EMEA)

### Options

- Available in 304 or 316 stainless steel for high corrosion resistance. Carbon steel version available in North America
- Buna-N® O-rings for the cover are standard. EPDM, Viton®, PTFE encapsulated Viton or silicone rubber seals and gaskets are available
- Multiple I/O connections to suit application
- Available with segment clamps
- Custom fittings, surface finishes, coatings and design code ratings to meet specified applications
- Available with shell side outlet

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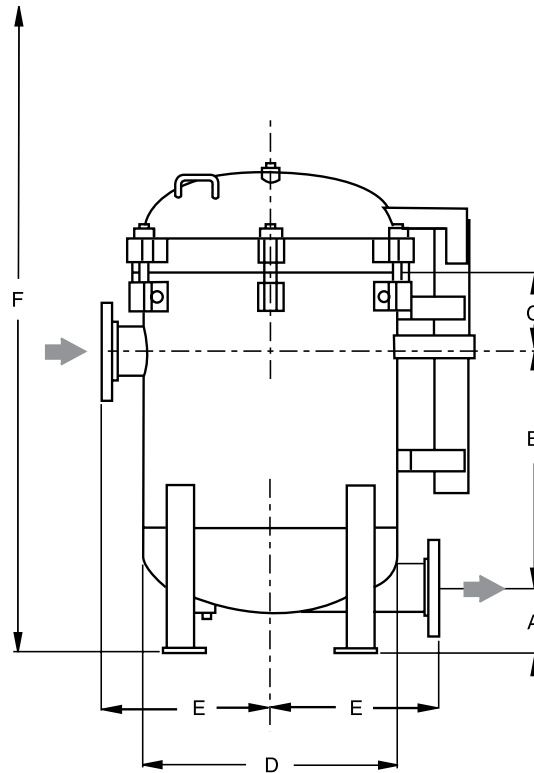


Unique 3-point hold down ensures a high-quality seal between each filter bag and housing body

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## Applications

|                            |   |
|----------------------------|---|
| Coarse filtration > 500 µm | ✓ |
| Medium filtration > 10 µm  | ✓ |
| Fine filtration < 10 µm    | ✓ |
| <hr/>                      |   |
| Pre-filtration             | ✓ |
| Safety filtration          | ✓ |
| High volume                | ✓ |
| Batch filtration           | ✓ |
| Circuit filtration         | ✓ |
| Continuous filtration      |   |
| <hr/>                      |   |
| Solvents, paints           | ✓ |
| Fats and oils              | ✓ |
| Catalyst, activated carbon |   |
| Acids, bases               | ✓ |
| Petrochemicals             | ✓ |
| Water, waste water         | ✓ |
| Chemical industry          | ✓ |
| Pharmaceuticals            |   |
| Metal cleaning             | ✓ |
| Automotive                 | ✓ |
| Electronics                |   |
| Food and beverage          |   |
| Paint and lacquer          | ✓ |
| Water treatment            | ✓ |
| Galvanic industry          |   |



## Dimensions - inch (mm)

| Models    | A          | B           | C           | D           | E           | F             |
|-----------|------------|-------------|-------------|-------------|-------------|---------------|
| MBF-0302* | 6.00 (152) | 22.50 (572) | 6.43 (163)  | 18.00 (457) | 12.75 (324) | 60.00 (1,524) |
| MBF-0402  | 6.00 (152) | 22.19 (564) | 7.93 (201)  | 24.00 (610) | 16.00 (406) | 70.00 (1,778) |
| MBF-0602* | 7.00 (178) | 20.00 (508) | 9.81 (249)  | 26.00 (660) | 18.50 (470) | 74.00 (1,880) |
| MBF-0802  | 8.25 (210) | 19.00 (483) | 10.81 (275) | 30.00 (762) | 20.50 (521) | 79.50 (2,019) |

Dimensions for reference only and approximate. Exact dimensions for installation purposes available on request. The 8 bag loop style dimensions are available on the Eaton website. Metric measures represent comparable products produced for EMEA and may not be an exact conversions.

## Technical data

| Models    | No. of filter bags | Size | Flow rate <sup>1</sup><br>GPM (m <sup>3</sup> /h) | Max. pressure<br>psi (bar) | Max. temp.<br>°F (°C) | Housing volume<br>gal (l) | Housing weight<br>lb (kg) | I/O connections |
|-----------|--------------------|------|---|----------------------------|-----------------------|---------------------------|---------------------------|-----------------|
| MBF-0302* | 3                  | 2    | 528 (120)   | 150 (10)                   | 250 (121)             | 40 (151)                  | 460 (227)                 | 3"              |
| MBF-0402  | 4                  | 2    | 705 (160)   | 150 (10)                   | 250 (121)             | 69 (261)                  | 615 (279)                 | 4"              |
| MBF-0602* | 6                  | 2    | 1,057 (240)                                       | 150 (10)                   | 250 (121)             | 90 (341)                  | 810 (367)                 | 6"              |
| MBF-0802  | 8                  | 2    | 1,409 (320)                                       | 150 (10)                   | 250 (121)             | 116 (439)                 | 970 (440)                 | 8"              |

<sup>1</sup> Maximum theoretical flow based on water viscosity, filter bag specific.

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